1. A vehicle-mounted device for capturing vide imagery in response to a triggering event, comprising:

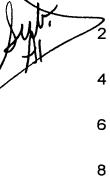
**CLAIMS** 

a housing;

an image sensor mounted to said housing, said image sensor sensing optical phenomena representing said video imagery.

a data sensor circuit within said housing and in part responsive to said triggering event; and

- a capture circuit within said housing coupled to said image sensor capturing a signal representing said video imagery and terminating capture of said signal in response to said data sensor circuit sensing said triggering event.
- 2. The vehicle-mounted device claimed in claim 1, wherein said capture circuit terminates capture of said signal a predetermined time interval after occurrence of said triggering event.
- 3. The vehicle-mounted device claimed in claim 1, wherein said capture circuit comprises a digital recording circuit having a digital memory and records said signal representing said video imagery.
- 4. The vehicle-mounted device claimed in claim 3, wherein said capture circuit further records a signal representing data produced by said data sensor circuit.
- 5. The vehicle-mounted device claimed in claim 1, wherein said capture circuit comprises a transmitter transmitting a signal representing said video imagery to a remote location.
- 6. The vehicle-mounted device claimed in claim 5, wherein said transmitter transmits said signal in real-time.
- 7. The vehicle-mounted device claimed in claim 1, wherein said data
   2 sensor circuit comprises a sensor responsive to a change in force experienced by said device.



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- 8. The vehicle-mounted device claimed in claim 7, wherein said data sensor circuit comprises a forward sensor responsive to a change in force experienced by said device in a direction substantially perpendicular to a direction of elongation of said housing and a lateral sensor responsive to a change in force experienced by said device in a direction substantially parallel to said direction of elongation of said housing.
- 9. The vehicle-mounted device claimed in claim 1, wherein said image sensor is disposed behind said mirror and senses said optical phenomena transmitted through a portion of said mirror.
- 10. The vehicle-mounted device claimed in claim 9, wherein said portion of said mirror is half-silvered and partially transmits and partially reflects said optical phenomena to provide said mirror with a uniformly mirrored appearance.
- 11. The vehicle-mounted device claimed in claim 9, wherein said portion of said mirror is transparent.
- 12. The vehicle-mounted device claimed in claim 1, wherein said image sensor is oriented to sense optical phenomena impinging upon it from a direction substantially perpendicular/to a direction of elongation of said housing.
- 13. The vehicle-mounted device claimed in claim 12, wherein said image sensor comprises first and second portions, said first portion oriented to sense optical phenomena impinging upon it from a direction substantially perpendicular to a direction of elongation of said housing, said second portion oriented to sense optical phenomena impinging upon it from a direction substantially perpendicular to a direction of elongation of said housing and axially opposite said direction from which said optical phenomena impinges upon said first portion.
- The vehicle mounted device claimed in claim 13, wherein said first
   portion of said image sensor is disposed behind said mirror and senses said optical phenomena transmitted through a portion of said mirror.

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- 15. The vehicle-mounted device claimed in claim 1, wherein: 2 said data sensor circuit further comprises a global positioning system (GPS) receiver identifying a geographic position of said vehicle-mounted device; 4 and said capture circuit further records a signal representing said geographic 6 position. 16. The vehicle-mounted device claimed in claim 1, wherein: 2 said data sensor circuit further comprises a microphone; said capture circuit further records a signal representing said sound 4 impinging upon said microphone. 17. A vehicle-mounted device for capturing video imagery in response 2 to a triggering event, comprising: a housing having a generally elongated shape; 4 a rear-view mirror mounted to said housing and having a generally elongated shape; 6 an image sensor mounted to said housing, said image sensor sensing optical phenomena representing said video imagery; 8 . a data sensor circuit within said housing and in part responsive to said triggering event; and 10 a capture/circuit within said housing coupled to said image sensor capturing a signal representing said video imagery and terminating capture of said signal in response to said data sensor circuit sensing said triggering event. 12 18. The vehicle-mounted device claimed in claim 17, wherein said 2 capture circuit terminates capture of said signal a predetermined time interval after occurrence of said triggering event.
  - 19. The vehicle-mounted device claimed in claim 17, wherein said capture circuit comprises a digital recording circuit having a digital memory and records said signal representing said video imagery.
- 20. The vehicle-mounted device claimed in claim 19, wherein said capture circuit further records a signal representing data produced by said data sensor circuit.

- 21. The vehicle-mounted device claimed in claim 17, wherein said capture circuit comprises a transmitter transmitting a signal representing said video imagery to a remote location.
- 22. The vehicle-mounted device claimed in claim 21, wherein said transmitter transmits said signal in real-time.
- 23. The vehicle-mounted device claimed in claim 17, wherein said data
   2 sensor circuit comprises a sensor responsive to a change in force experienced by said device.
- 24. The vehicle-mounted device claimed in claim 23, wherein said data
  2 sensor circuit comprises a forward sensor responsive to a change in force experienced by said device in a direction substantially perpendicular to a
  4 direction of elongation of said housing and a lateral sensor responsive to a change in force experienced by said device in a direction substantially parallel
  6 to said direction of elongation of said housing.
- 25. The vehicle-mounted device claimed in claim 17, wherein said image sensor is disposed begind said mirror and senses said optical phenomena transmitted through a portion of said mirror.
- 26. The vehicle-mounted device claimed in claim 25, wherein said portion of said mirror is half-silvered and partially transmits and partially reflects said optical phenomena to provide said mirror with a uniformly mirrored appearance.
- 27. The vehicle-mounted device claimed in claim 25, wherein said2 portion of said mirror is transparent.
- 28. The vehicle-mounted device claimed in claim 17, wherein said image sensor is oriented to sense optical phenomena impinging upon it from a direction substantially perpendicular to a direction of elongation of said housing.

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29. The vehicle-mounted device claimed in claim 18, wherein said image sensor comprises first and second portions, said first portion oriented to sense optical phenomena impinging upon it from a direction substantially perpendicular to a direction of elongation of said housing, said second portion oriented to sense optical phenomena impinging upon it from a direction substantially perpendicular to a direction of elongation of said housing and axially opposite said direction from which said optical phenomena impinges upon said first portion.

- 30. The vehicle-mounted device claimed in claim 29, wherein said first portion of said image sensor is disposed behind said mirror and senses said optical phenomena transmitted through a portion of said mirror.
- 31. The vehicle-mounted device claimed in claim 17, wherein:
  2 said data sensor circuit further comprises a global positioning system
  (GPS) receiver identifying a geographic position of said vehicle-mounted device;
  4 and

said capture circuit further records a signal representing said geographic position.

- 32. The vehicle-mounted device claimed in claim 17, wherein: said data sensor circuit further comprises a microphone; said capture circuit further records a signal representing said sound impinging upon said microphone.
- 33. A method for capturing video imagery in a vehicle-mounted system
  in response to a triggering event, said system comprising a rear-view mirror device mounted upon a windshield of a vehicle, said rear-view mirror device
  having a housing with a generally elongated shape, a mirror assembly mounted to said housing and having a generally elongated shape, a image sensor mounted to said housing and sensing optical phenomena representing said video imagery, a data sensor circuit within said housing, and a capture circuit within said housing, the method comprising the steps of:

said image sensing optical phenomena transmitted through a portion of said mirror assembly and representing said video imagery; and

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said capture circuit capturing said video imagery and/terminating capture of said signal representing said video imagery in response to said data sensor circuit sensing said triggering event.

- 34. The method claimed in claim 33, further comprising the step of transmitting a signal representing said video imagery to a remote location.
- 35. The method claimed in claim 33, wherein said step of terminating
   capture of said signal representing said video imagery comprises terminating
   capture of said signal in response to a change in force experienced by said
   device.
- 36. A method for capturing video imagery in a vehicle-mounted system
  in response to a triggering event, said system comprising a rear-view mirror device mounted upon a windshield of a vehicle, said rear-view mirror device
  having a housing with a generally elongated shape, a mirror assembly mounted to said housing and having a generally elongated shape, a image sensor mounted to said housing and sensing optical phenomena representing said video imagery, a data sensor circuit within said housing, and a capture circuit within said housing, the method comprising the steps of:

said image sensor sensing optical phenomena representing said video imagery impinging upon it from a direction substantially perpendicular to a direction of elongation of said nousing and forwardly through said windshield of said vehicle and video imagery impinging upon it from a direction substantially perpendicular to a direction of elongation of said housing and rearwardly with respect to said vehicle; and

said capture circuit capturing said video imagery and terminating capture of said signal representing said video imagery in response to said data sensor circuit sensing said triggering event.

- 37. The method claimed in claim 36, further comprising the step of transmitting a signal representing said video imagery to a remote location.
- 38. The method claimed in claim 36, wherein said step of terminating capture of said signal representing said video imagery comprises terminating



capture of said signal in response to a change in force experienced by said device.

- 39. A method for mounting a system for capturing video imagery in
  response to a triggering event, comprising the step of mounting upon a vehicle windshield a device comprising a housing, an image sensor mounted to said housing and sensing optical phenomena representing said video imagery, a data sensor circuit within said housing responsive to said triggering event, and a capture circuit within said housing coupled to said image sensor capturing a signal representing said video imagery and terminating capture of said signal in response to said data sensor circuit sensing said triggering event.
- 40. The method claimed in claim 39, wherein said housing has a generally elongated shape, said device further comprises a suction-cup attached to said housing and a mirror having a generally elongated shape mounted to said housing, and said mounting step comprises the step of adhering said device to said windshield.
- 41. The method claimed in claim 39, wherein, and said mounting step comprises the step of engaging said suction-cup upon said windshield.